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SEQUENCE LISTING

<110> University of Pennsylvania
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Rubin, Harvey
Avarbock, Andrew

<120> Fragments and Activity of Rel protein in M. Tuberculosis and other uses thereof

<130> UPFT0002-100

<150> PCT/US03/33692
<151> 2003-10-22

<150> US 60/420,129
<151> 2002-10-22

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<170> PatentIn version 3.2

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Ser Gly Asp Pro Tyr Ile Thr His Pro Leu Ala Val Ala Asn Ile Leu
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Ala Glu Leu Gly Met Asp Thr Thr Leu Val Ala Ala Leu Leu His
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680

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<213> **Mycobacterium tuberculosis**

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305 310 315 320

Gly Lys Pro Leu Glu Val Gln Ile Arg Thr Arg Asp Met His Arg Thr
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Arg Asn Gly Val Leu His Pro His Ala Ala Ala Glu Ile Asp Asp Met
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Ser Gly Asp Pro Tyr Ile Thr His Pro Leu Ala Val Ala Asn Ile Leu
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Asp Thr Val Glu Asp Thr Gly Tyr Thr Leu Glu Ala Leu Thr Glu Glu
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Phe Gly Glu Glu Val Gly His Leu Val Asp Gly Val Thr Lys Leu Asp
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Gln Ala Arg Lys Ala Arg Glu Thr Leu Glu Val Ile Ala Pro Leu Ala
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Ser Gly Asp Pro Tyr Ile Thr His Pro Leu Ala Val Ala Asn Ile Leu
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Ala Glu Leu Gly Met Asp Thr Thr Leu Val Ala Ala Leu Leu His
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Asp Thr Val Glu Asp Thr Gly Tyr Thr Leu Glu Ala Leu Thr Glu Glu
85 90 95

Phe Gly Glu Glu Val Gly His Leu Val Asp Gly Val Thr Lys Leu Asp
100 105 110

Arg Val Val Leu Gly Ser Ala Ala Glu Gly Glu Thr Ile Arg Lys Met
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Ile Thr Ala Met Ala Arg Asp Pro Arg Val Leu Val Ile Lys Val Ala
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Asp Arg Leu His Asn Met Arg Thr Met Arg Phe Leu Pro Pro Glu Lys
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Ser Gly Asp Pro Tyr Ile Thr His Pro Leu Ala Val Ala Asn Ile Leu
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Asp Thr Val Glu Asp Thr Gly Tyr Thr Leu Glu Ala Leu Thr Glu Glu
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Phe Gly Glu Glu Val Gly His Leu Val Asp Gly Val Thr Lys Leu Asp
100 105 110

Arg Val Val Leu Gly Ser Ala Ala Glu Gly Glu Thr Ile Arg Lys Met
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35 40 45

Asp Pro Arg Val Leu Val Ile Lys Val Ala Asp Arg Leu His Asn Met
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Cys Tyr Ala Ala Val Gly Val Val His Ser Leu Trp Gln Pro Met Ala
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Gly Arg Phe Lys Asp Tyr Ile Ala Gln Pro Arg Tyr Gly Val Tyr Gln
210 215 220

Ser Leu His Thr Thr Val Val Gly Pro Glu Gly Lys Pro Leu Glu Val
225 230 235 240

Gln Ile Arg Thr Arg Asp Met His Arg Thr Ala Glu Tyr Gly Ile Ala
245 250 255

Ala His Trp Arg Tyr Lys Glu Ala Lys Gly Arg Asn Gly Val Leu His
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Pro His Ala Ala Ala Glu Ile Asp Asp Met Ala Trp Met Arg Gln Leu
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